**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ID: \_\_\_\_\_\_\_\_\_\_\_ Section: \_\_\_\_**

**Department of Computer Science and Engineering**

**CSE340: Computer Architecture   
Fall 2015**

**Quiz-2, A**

**Full Marks: 15 Time: 20 Mins**

1. Define memory hierarchy with diagram.  **5**
2. Write MIPS code for the following C code: if (A[5]==10) f=g[6]+C; else f=g[5]+C; 10

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**Quiz-2, B**

**Full Marks: 15 Time: 20 Mins**

1. Draw the diagram of Harvard and Von Neumann Model of computer. **5**
2. Write MIPS code for the following C code: if (A[6]==B) f=g[6]\*C; else f=g[5]\*C; **10**

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**Quiz-2, C**

**Full Marks: 15 Time: 20 Mins**

1. Design a register file having 64 registers with 32-bit each. **5**
2. Write MIPS code for the following C code: if (A[6]==B[5]) f=g[6]-C; else f=g[5]-C;

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**Quiz-2, D**

**Full Marks: 15 Time: 20 Mins**

1. Define Multiprocessor system with diagram. **5**
2. Write MIPS code for the following C code: if (A[6]==B[5]) f=g[6]+C; else f=g[5]+C; 10

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ID: \_\_\_\_\_\_\_\_\_\_\_ Section: \_\_\_\_**

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**Quiz-2, E**

**Full Marks: 15 Time: 20 Mins**

1. Define big endian and little endian addressing with example. **5**
2. Write MIPS code for the following C code: if (A[3]==B[4]) f=g[6]\*C; else f=g[5]+C; 10